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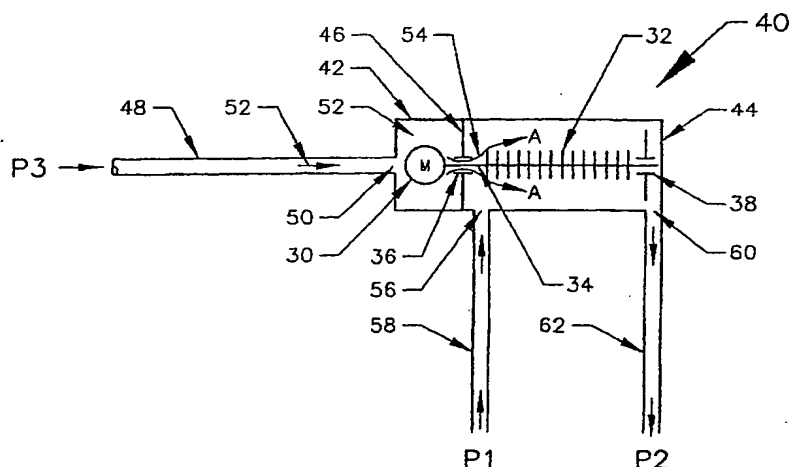
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(54) Title: GAS SEAL SYSTEM FOR THE SHAFT OF AN ELECTRIC COMPRESSOR MOTOR



(57) Abstract: An electric motor (30) is accommodated in a first portion (42) of a housing (40) and is arranged to drive a compressor (32) accommodated in a second portion (44) of the housing separated from the first housing portion (42) by a wall (46). An umbilical (48) introduces dry motor protection gas into the first housing portion (42) and a passage (54) between the first and second housing portions (42, 44) allows a leakage of the motor protection gas from the first housing portion (42) into the second housing portion (44) at a higher pressure than gas supplied to the compressor (32) via an inlet pipe (58) thereby preventing moisture laden gas from the compressor (32) entering the first housing portion accommodating the electric motor (30).

WO 03/071139 A1